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(FILE 'HOME' ENTERED AT 20:52:51 ON 15 DEC 2000)

FILE 'CA' ENTERED AT 20:53:01 ON 15 DEC 2000

E JP06297565/PN

L1 1 S E3

L2 1322 S FISHEYE? OR FISH EYE?

L3 36 S L2 AND PHOTO?

FILE 'USPATFULL' ENTERED AT 20:55:54 ON 15 DEC 2000

L4 530 S L3

L5 137 S L4 AND (POLYPROPYLENE? OR POLY PROPYLENE?)

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Cynthia Hamilton
CYNTHIA HAMILTON
PRIMARY EXAMINER

L3 ANSWER 34 OF 36 CA COPYRIGHT 2000 ACS
AN 73:46104 CA
TI **Photometric** evaluation of the readiness of transparent
poly(vinyl chloride) films for use in rolling processes
AU Solomenko, M. G.; Popyuk, S. V.
CS USSR
SO Khim. Mashinostr. (Kiev) (1970), No. 10, 135-8
CODEN: KMMRAZ
DT Journal
LA Russian
CC 36 (Plastics Manufacture and Processing)
AB A method was developed for monitoring film-rolling processes whereby
defects in transparent poly(vinyl chloride) films are detd.
photometrically. Ripples, "**fish-eyes**," and
other heterogeneities in films can thus be eliminated.
ST polyvinyl chloride films heterogeneities; **photometric** evaluation
heterogeneities films; heterogeneities films **photometric**
evaluation; films heterogeneities **photometric** evaluation
IT 9002-86-2, uses and miscellaneous
RL: USES (Uses)
(

L1 ANSWER 1 OF 1 CA COPYRIGHT 2000 ACS
 AN 122:267600 CA
 TI Polyester release films for covering photoresists
 IN Takahashi, Kozo; Tsunashima, Kenji; Kimura, Masahiro
 PA Toray Industries, Inc., Japan
 SO Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKXXAF

DT Patent
 LA Japanese
 IC ICM B29C055-12
 ICS B32B027-36; C08J007-04
 ICI B29K067-00, B29L007-00
 CC 38-3 (Plastics Fabrication and Uses)
 Section cross-reference(s): 74

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06297565	A2	19941025	JP 1993-205269	19930819 <--
PRAI	JP 1993-32061		19930222		

AB The films comprise polyesters contg. 5-50 mol% C.gtoreq.10 alkylene group-contg. linear aliph. dicarboxylic acid units and/or cyclohexanedicarboxylic acid units, polyesters contg. block polycaprolactam units, polyesters contg. block polyethylene glycol units, and/or polyesters contg. block polytetramethylene glycol units, have surface tension .ltoreq.36 dyne/cm, modulus 10-250 kg/mm2, and sp.gr. 0.5-1.2, have voids and .gtoreq.1 side coated with waxes, and have .gtoreq.1 side optionally contg. 1-50% polyolefins (e.g., norbornene polymers). Ethylene glycol-hydrogenated dimer acid-terephthalic acid copolymer extrudate was sandwiched between two PET extrudates, cast on a drum, drawn in the machine direction, exposed to elec. corona, coated

with

an aq. dispersion contg. 50 parts hydrogenated rosin-.alpha.,.beta.-substituted ethylene adduct ester wax and 50 parts oxidized wax, dried, and drawn in the transverse direction to give a film exhibiting good release property on covering a photoresist layer with the film and removing the film from the material.

ST polyester release film cover photoresist

IT Polyesters, uses

RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
 (release films for covering photoresists)

IT Resists

(photo-, polyester release films for coverings for)

IT Alkenes, uses

RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
 (polymers, blends with PET, films; polyester release films for

covering

photoresists)

IT Parting materials

(release films, polyesters; for covering photoresists)

IT Fatty acids, uses

RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)

(unsatd., dimers, hydrogenated, polyesters, films, laminates with PET; release films for covering photoresists)

IT 25068-26-2 162429-90-5, Apel APL 6509

RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)

(blends with PET, films, laminates with polyesters; release films for covering photoresists)

IT 25038-59-9, Poly(ethylene terephthalate), uses
 RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
 (film, laminates with copolyesters; release films for covering photoresists)

IT 100-21-0D, Terephthalic acid, polymers with hydrogenated dimer acids and ethylene glycol
 RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
 (films, laminates with PET; release films for covering photoresists)

IT 107-21-1D, Ethylene glycol, polymers with hydrogenated dimer acids and terephthalic acid
 RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
 (release films for covering photoresists)